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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 29	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records

NEWS 31 JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 32 JUN 30 STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 33 JUN 30 STN AnaVist enhanced with database content from EPFULL

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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FILE 'HOME' ENTERED AT 07:43:01 ON 16 JUL 2008

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:43:18 ON 16 JUL 2008
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 JUL 2008 HIGHEST RN 1034171-01-1
DICTIONARY FILE UPDATES: 15 JUL 2008 HIGHEST RN 1034171-01-1

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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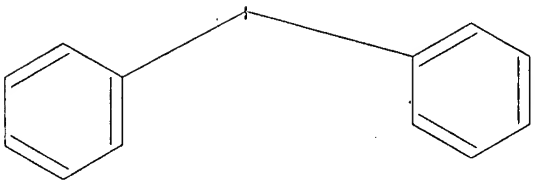
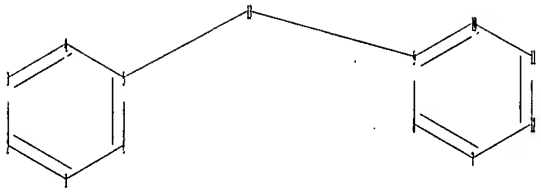
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\GG.str



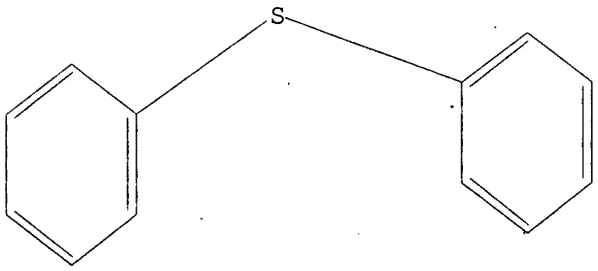


chain nodes :
13
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
5-13 9-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
5-13 9-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1 FULL
FULL SEARCH INITIATED 07:44:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 257915 TO ITERATE

100.0% PROCESSED 257915 ITERATIONS 133701 ANSWERS
SEARCH TIME: 00.00.01

L2 133701 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	178.57

FILE 'CAPLUS' ENTERED AT 07:44:10 ON 16 JUL 2008

FILE COVERS 1907 - 16 Jul 2008 VOL 149 ISS 3
FILE LAST UPDATED: 15 Jul 2008 (20080715/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> S L2
L3 69197 L2

=> S L3 AND DEUTERATION
10283 DEUTERATION
L4 17 L3 AND DEUTERATION

=> D L4 IBIB ABS HITSTR 1-17

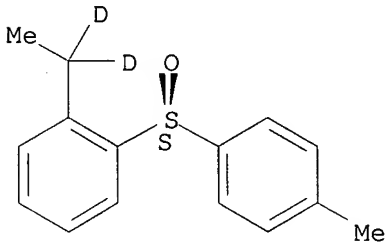
L4 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:278402 CAPLUS
DOCUMENT NUMBER: 144:150064
TITLE: Highly Diastereoselective Deuteration of 2-p-Tolylsulfinyl Ethylbenzene at Benzylic Position
AUTHOR(S): Ruano, Jose L.; Aranda, M.
CORPORATE SOURCE: Departamento de Quimica Organica, Universidad Autonoma de Madrid, Madrid, Spain
SOURCE: Phosphorus, Sulfur and Silicon and the Related Elements (2005), 180(5-6), 1439-1440
CODEN: PSSLEC; ISSN: 1042-6507
PUBLISHER: Taylor & Francis, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:150064
AB The lithium diisopropylamide-mediated deprotonation of the title compound, 1-ethyl-2-[(4-methylphenyl)sulfinyl]benzene and subsequent treatment with methanol (CH3OD) gave a single mono-deuterated isomer. Deprotonation of the corresponding (ethyl-d2)[(methylphenyl)sulfinyl]benzene gave a

diastereomer of opposite configuration. The deprotonation is diastereoselective, but the resulting carbanions are configurationally unstable and invert their configuration before reacting with an electrophile. A symposium report from the Twenty-FIrst International Symposium on the Organic Sulfur (ISOCS-XXI).

IT 873949-09-8P 873949-10-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective de-deuteration and protonation of (ethyl-d2)[(methylphenyl)sulfinyl]benzene at benzylic position)

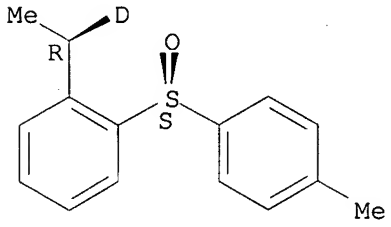
RN 873949-09-8 CAPLUS
CN Benzene, 1-(ethyl-1,1-d2)-2-[(S)-(4-methylphenyl)sulfinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 873949-10-1 CAPLUS
CN Benzene, 1-[(1R)-ethyl-1-d]-2-[(S)-(4-methylphenyl)sulfinyl]- (9CI) (CA INDEX NAME)

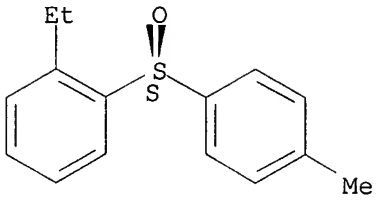
Absolute stereochemistry.



IT 302934-10-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(stereoselective deprotonation and deuteration of ethyl[(methylphenyl)sulfinyl]benzene at benzylic position using methanol (CH3OD) as reactant)

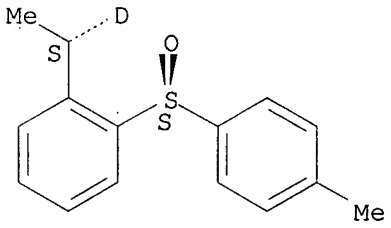
RN 302934-10-7 CAPLUS
CN Benzene, 1-ethyl-2-[(S)-(4-methylphenyl)sulfinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



IT 873949-08-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective deprotonation and deuteration of ethyl[(methylphenyl)sulfinyl]benzene at benzylic position using methanol (CH3OD) as reactant)
RN 873949-08-7 CAPLUS
CN Benzene, 1-[(1S)-ethyl-1-d]-2-[(S)-(4-methylphenyl)sulfinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:101109 CAPLUS
DOCUMENT NUMBER: 140:163571
TITLE: Process for preparation of deuterated aromatic compounds
INVENTOR(S): Ito, Nobuhiro; Maesawa, Tsuneaki; Muto, Kazushige; Hirota, Kosaku; Sajiki, Hironao
PATENT ASSIGNEE(S): Wako Pure Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004011400	A1	20040205	WO 2003-JP8783	20030710

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

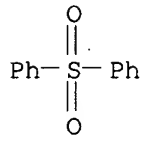
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2493773	A1	20040205	CA 2003-2493773		20030710
AU 2003248267	A1	20040216	AU 2003-248267		20030710
EP 1535889	A1	20050601	EP 2003-771263		20030710
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
CN 1675145	A	20050928	CN 2003-818820		20030710
US 20070255076	A1	20071101	US 2007-521531		20070222
PRIORITY APPLN. INFO.:			JP 2002-219005	A	20020726
			WO 2003-JP8783	W	20030710

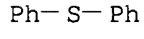
AB This invention pertains to a method for deuterating a compound having an aromatic ring in the presence of an activated catalyst. For example, phenol was treated with D2O in the presence of Pt/C to give C6D5OH in 98% deuterating rate. This invention provides a method to make deuterated aromatic compds. in mild conditions.

IT 127-63-9, Diphenylsulfone 139-66-2, Diphenyl sulfide
945-51-7, Diphenyl sulfoxide
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of deuterated aromatic compds.)

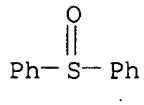
RN 127-63-9 CAPLUS
CN Benzene, 1,1'-sulfonylbis- (CA INDEX NAME)



RN 139-66-2 CAPLUS
CN Benzene, 1,1'-thiobis- (CA INDEX NAME)

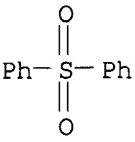


RN 945-51-7 CAPLUS
CN Benzene, 1,1'-sulfinylbis- (CA INDEX NAME)



IT 127-63-9DP, Diphenylsulfone, deuterated
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of deuterated aromatic compds.)

RN 127-63-9 CAPLUS
CN Benzene, 1,1'-sulfonylbis- (CA INDEX NAME)



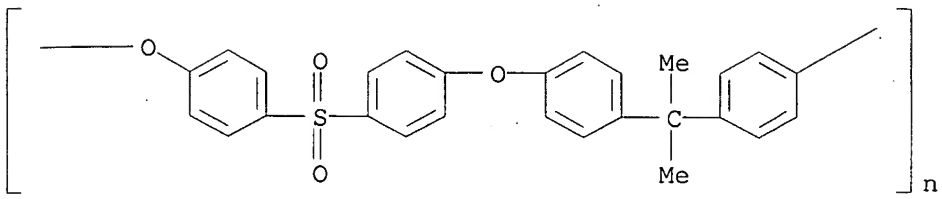
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:850 CAPLUS
DOCUMENT NUMBER: 140:218345
TITLE: Phenylene ring dynamics in bisphenol-A-polysulfone by neutron scattering
AUTHOR(S): Arrese-Igor, S.; Arbe, A.; Alegria, A.; Colmenero, J.; Frick, B.
CORPORATE SOURCE: Departamento de Fisica de Materiales, UPV/EHU, San Sebastian, 20080, Spain
SOURCE: Journal of Chemical Physics (2004), 120(1), 423-436
CODEN: JCPSA6; ISSN: 0021-9606
PUBLISHER: American Institute of Physics
DOCUMENT TYPE: Journal
LANGUAGE: English

AB We have investigated the dynamics of phenylene rings in a glassy polysulfone (bisphenol-A-polysulfone) by means of quasielastic neutron scattering. Nowadays it is well known that these mol. motions are directly connected with the mech. properties of engineering thermoplastics in general. The particular system investigated by us has the advantage that by selective deuteration of the Me groups, the neutron scattering measured is dominated by the incoherent contribution from the protons in the phenylene rings. In this way, the dynamics of such mol. groups can be exptl. isolated. Two different types of neutron spectrometers: time of flight and backscattering, were used in order to cover a wide dynamic range, which extends from microscopic (10-13 s) to mesoscopic (10-9 s) times. Moreover, neutron diffraction expts. with polarization anal. were also carried out in order to characterize the structural features of the sample investigated. Fast oscillations of increasing amplitude with temperature and π-flips are identified for phenylene rings motions. Due to the structural disorder characteristic of the amorphous state, both mol. motions display a broad distribution of relaxation times, which spreads over several orders of magnitude. Based on the results obtained, we propose a model for phenylene rings dynamics, which combines the two kinds of mol. motions identified. This model nicely describes the neutron scattering results in the whole dynamic range investigated.

IT 25135-51-7
RL: PRP (Properties)
(phenylene ring dynamics in bisphenol-A-polysulfone by neutron scattering)

RN 25135-51-7 CAPLUS
CN Poly[oxy-1,4-phenylenesulfonyl-1,4-phenyleneoxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene] (CA INDEX NAME)



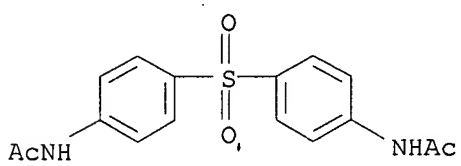
REFERENCE COUNT: 80 THERE ARE 80 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:190689 CAPLUS
DOCUMENT NUMBER: 139:100895
TITLE: Synthesis of deuterated 4,4'-diaminodiphenylsulfone (Dapsone) and related analogs
AUTHOR(S): Gannett, Peter M.; Johnson, Edward M., II; Grimes, Michael A.; Myers, Alan L.; Deavers, Robert E., III; Tracy, Timothy S.
CORPORATE SOURCE: Department of Basic Pharmaceutical Sciences, School of Pharmacy, West Virginia University, Morgantown, WV, 26506-9530, USA
SOURCE: Journal of Labelled Compounds & Radiopharmaceuticals (2003), 46(2), 107-114
CODEN: JLCRD4; ISSN: 0362-4803
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:100895

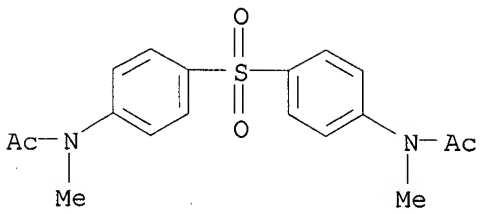
AB A general scheme for the synthesis of 4,4'-diaminodiphenylsulfone-d5 (Dapsone) from aniline-d5 is described. The method may have general application and the preparation of the related analogs, 4,4'-dimethylaminodiphenyl sulfone from aniline-d5 and 4,4'-dimethoxydiphenyl sulfone from phenol-d5, is also described.

IT 77-46-3P 34049-42-8P 557794-37-3P
557794-42-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(hydrolytic deprotection of; preparation of deuterated diaminodiphenylsulfone and related analogs using deuterated aniline and phenol as starting compds.)

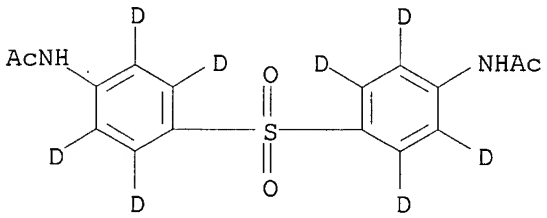
RN 77-46-3 CAPLUS
CN Acetamide, N,N'-(sulfonyldi-4,1-phenylene)bis- (CA INDEX NAME)



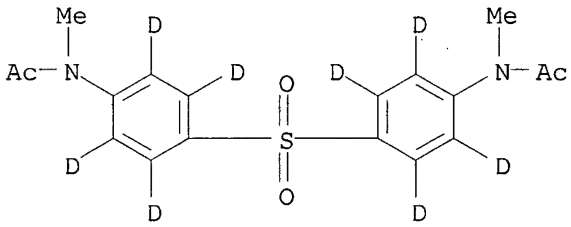
RN 34049-42-8 CAPLUS
CN Acetamide, N,N'-(sulfonyldi-4,1-phenylene)bis[N-methyl- (9CI) (CA INDEX NAME)



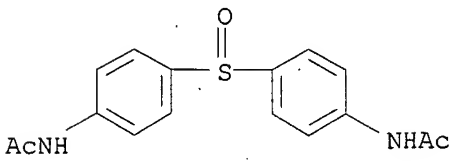
RN 557794-37-3 CAPLUS
CN Acetamide, N,N'-[sulfonyldi(4,1-phenylene-2,3,5,6-d4)]bis- (9CI) (CA INDEX NAME)



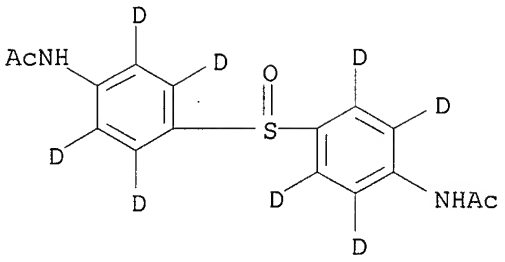
RN 557794-42-0 CAPLUS
CN Acetamide, N,N'-[sulfonyldi(4,1-phenylene-2,3,5,6-d4)]bis[N-methyl- (9CI) (CA INDEX NAME)



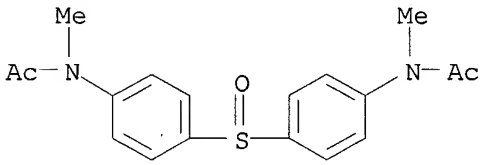
IT 5423-16-5P 557794-36-2P 557794-40-8P
557794-41-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(oxidation of; preparation of deuterated diaminodiphenylsulfone and related analogs using deuterated aniline and phenol as starting compds.)
RN 5423-16-5 CAPLUS
CN Acetamide, N,N'-(sulfinyldi-4,1-phenylene)bis- (9CI) (CA INDEX NAME)



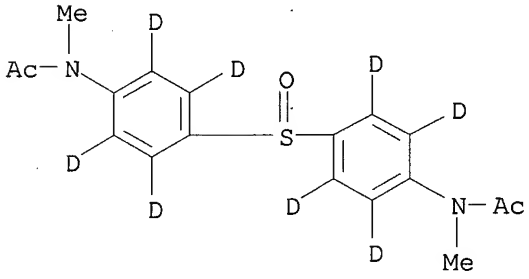
RN 557794-36-2 CAPLUS
CN Acetamide, N,N'-[sulfinyldi(4,1-phenylene-2,3,5,6-d4)]bis- (9CI) (CA INDEX NAME)



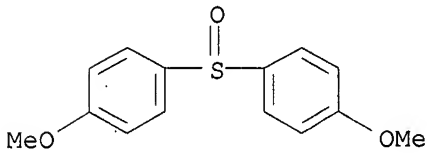
RN 557794-40-8 CAPLUS
CN Acetamide, N,N'-(sulfinyldi-4,1-phenylene)bis[N-methyl- (9CI) (CA INDEX NAME)



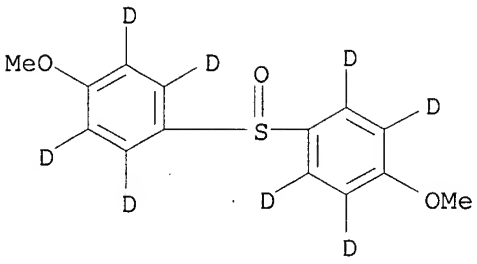
RN 557794-41-9 CAPLUS
CN Acetamide, N,N'-[sulfinyldi(4,1-phenylene-2,3,5,6-d4)]bis[N-methyl- (9CI) (CA INDEX NAME)



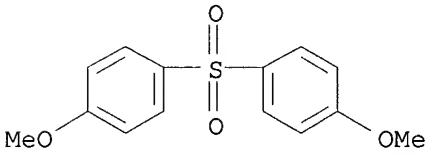
IT 1774-36-3P 557794-44-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(oxidation of; preparation of deuterated diaminodiphenylsulfone and related analogs using deuterated aniline and phenol as starting compds.)
RN 1774-36-3 CAPLUS
CN Benzene, 1,1'-sulfinylbis[4-methoxy- (CA INDEX NAME)



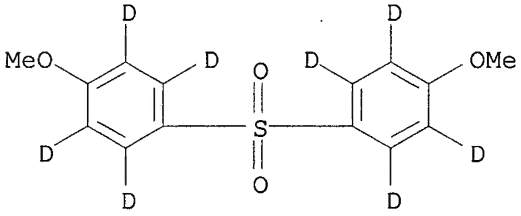
RN 557794-44-2 CAPLUS
CN Benzene-1,2,4,5-d4, 3,3'-sulfinylbis[6-methoxy- (9CI) (CA INDEX NAME)



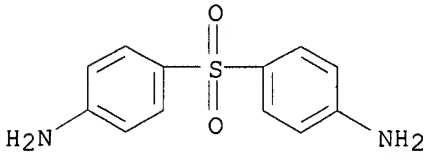
IT 3112-80-9P 557794-45-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of deuterated diaminodiphenylsulfone and related analogs using deuterated aniline and phenol as starting compds.)
RN 3112-80-9 CAPLUS
CN Benzene, 1,1'-sulfonylbis[4-methoxy- (CA INDEX NAME)



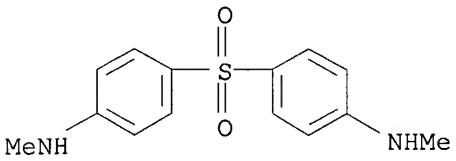
RN 557794-45-3 CAPLUS
CN Benzene-1,2,4,5-d4, 3,3'-sulfonylbis[6-methoxy- (9CI) (CA INDEX NAME)



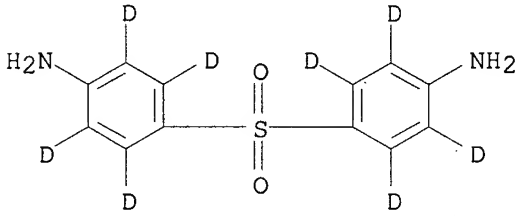
IT 80-08-0P 7324-96-1P 557794-38-4P
557794-43-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of deuterated diaminodiphenylsulfone and related analogs using deuterated aniline and phenol as starting compds.)
RN 80-08-0 CAPLUS
CN Benzenamine, 4,4'-sulfonylbis- (CA INDEX NAME)



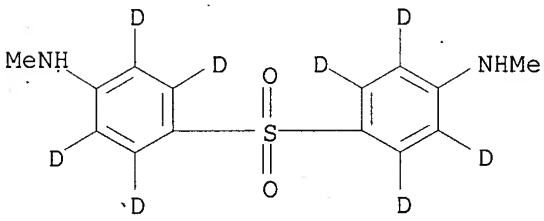
RN 7324-96-1 CAPLUS
CN Benzenamine, 4,4'-sulfonylbis[N-methyl- (CA INDEX NAME)



RN 557794-38-4 CAPLUS
CN Benzen-2,3,5,6-d4-amine, 4,4'-sulfonylbis- (9CI) (CA INDEX NAME)



RN 557794-43-1 CAPLUS
CN Benzen-2,3,5,6-d4-amine, 4,4'-sulfonylbis[N-methyl- (9CI) (CA INDEX NAME)



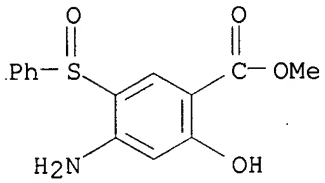
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:739026 CAPLUS
DOCUMENT NUMBER: 126:103660
ORIGINAL REFERENCE NO.: 126:19997a,20000a
TITLE: Magnesium methoxide complexation in the control of chemical reactions
AUTHOR(S): Baker, S. Richard; Cadman, Michael L. F.; Crombie, Leslie; Edwards, David A. V.; Mistry, Jayshree
CORPORATE SOURCE: Dep. Chem., Univ. Nottingham, Nottingham, NG7 2RD, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1996), (22), 2705-2713
CODEN: JCPRB4; ISSN: 0300-922X
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The insoly. of complex magnesium chelates makes experimentation difficult,

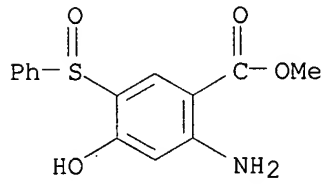
so smaller complexes were used as models for NMR and deuteration studies. Treatment of Me cyanoacetate with magnesium methoxide however did not give a simple chelate but a novel kinetic Claisen condensation product, Me 2,4-dicyano-3-hydroxy-2-butenoate, sequestrated as its magnesium-derivative Replacement of magnesium methoxide by the non-chelating base sodium methoxide gave the known thermodn. 1,2-addition product, di-Me 3-amino-2-cyano-2-pentenedioate. A crossed Claisen product, di-Me 2-cyano-3-hydroxy-2-butenedioate, was obtained from di-Et oxalate and Me cyanoacetate in the presence of magnesium methoxide. However, replacement of the oxalate by Ph cyanomethyl sulfoxide gave a crossed 1,2-addition product, Me 3-amino-2-cyano-4-phenylsulfinyl-2-butenoate. Reactions between Ph cyanomethyl sulfoxide or phenylsulfinylacetone and Me 2-methoxymethyleneacetoacetate were carried out in the presence of varying amts. of sodium and magnesium methoxides. The products were pyrones, pyridones and aminobenzoates. When sodium methoxide was used in the phenylsulfinylacetone reaction the major product was a pyridine, but with magnesium methoxide it was a hydroxyaminobenzoate. This dichotomy was explained as a consequence of magnesium complexation by the substrate.

IT 186047-34-7P 186047-36-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(magnesium methoxide complexation in control of chemical reactions)

RN 186047-34-7 CAPLUS
CN Benzoic acid, 4-amino-2-hydroxy-5-(phenylsulfinyl)-, methyl ester (CA INDEX NAME)



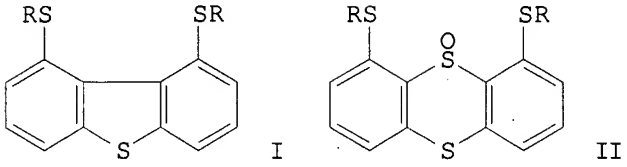
RN 186047-36-9 CAPLUS
CN Benzoic acid, 2-amino-4-hydroxy-5-(phenylsulfinyl)-, methyl ester (CA INDEX NAME)

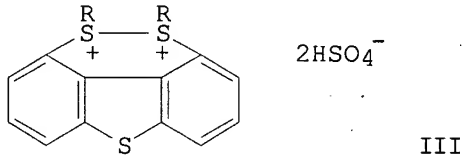


REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1992:235372 CAPLUS
DOCUMENT NUMBER: 116:235372
ORIGINAL REFERENCE NO.: 116:39860h,39861a
TITLE: Generation of new dithia dications from sterically congested 1,9-dithiodibenzothiophenes and their monooxides in concentrated sulfuric acid
AUTHOR(S): Furukawa, Naomichi; Kimura, Takeshi; Horie, Yoji;

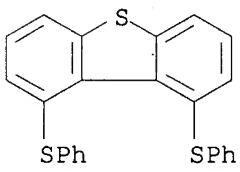
Ogawa, Satoshi; Fujihara, Hisashi
CORPORATE SOURCE: Dep. Chem., Univ. Tsukuba, Tsukuba, 305, Japan
SOURCE: Tetrahedron Letters (1992), 33(11), 1489-90
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



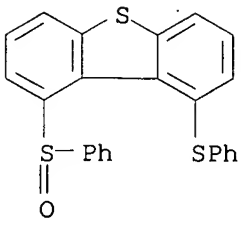


AB 1,9-Dithiodibenzothiophenes I (R = Me, Ph) were prepared by ring contraction of 4,6-dithiothianthrene-5-oxides II with n-butyllithium. I and their monooxides upon dissoln. in concentrate H2SO4 afforded the corresponding new dithia dications III. Electrochem. oxidation of I provides the evidence for the neighboring group interaction between the two 1,9-sulfenyl sulfur atoms.

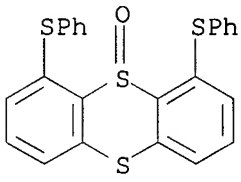
IT 135489-49-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and oxidation of)
RN 135489-49-5 CAPLUS
CN Dibenzothiophene, 1,9-bis(phenylthio)- (CA INDEX NAME)



IT 140868-26-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 140868-26-4 CAPLUS
CN Dibenzothiophene, 1-(phenylsulfinyl)-9-(phenylthio)- (CA INDEX NAME)



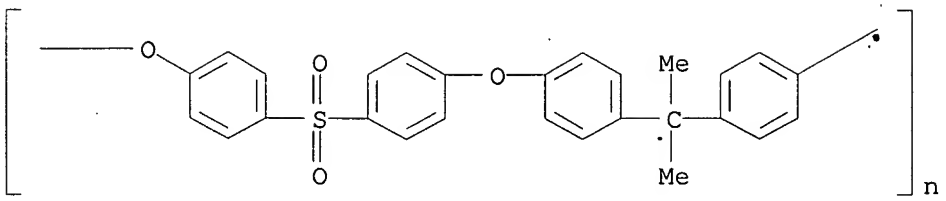
IT 135489-37-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(ring contraction of)
RN 135489-37-1 CAPLUS
CN Thianthrene, 1,9-bis(phenylthio)-, 10-oxide (CA INDEX NAME)



L4 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:248061 CAPLUS
DOCUMENT NUMBER: 114:248061
ORIGINAL REFERENCE NO.: 114:41911a,41914a
TITLE: Aromatic polysulfones bearing functional groups
INVENTOR(S): Guiver, Michael D.; Kutowy, Oleh
PATENT ASSIGNEE(S): National Research Council of Canada, Can.
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4999415	A	19910312	US 1988-281042	19881207
CA 1304537	C	19920630	CA 1987-554119	19871211
PRIORITY APPLN. INFO.:			CA 1987-554119 A	19871211

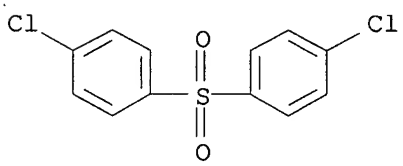
AB The title compds. are prepared by halogenating aromatic polysulfones, lithiating the halogenated polymers, and treating with electrophiles. Thus, an aromatic polysulfone (Udel) was brominated, lithiated with BuLi, and treated with D2O to give a deuterated polymer.
IT 25135-51-7DP, deuterated, carboxylated and methylated
25154-01-2DP, derivs. 25608-64-4DP, derivs.
25839-81-0P
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of, by halogenation-lithiation)
RN 25135-51-7 CAPLUS
CN Poly[oxy-1,4-phenylenesulfonyl-1,4-phenyleneoxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene] (CA INDEX NAME)



RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (CA INDEX NAME)

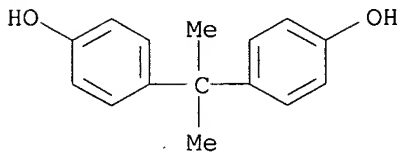
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

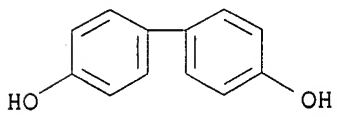
CRN 80-05-7
CMF C15 H16 O2



RN 25608-64-4 CAPLUS
CN [1,1'-Biphenyl]-4,4'-diol, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (CA INDEX NAME)

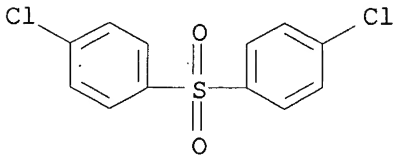
CM 1

CRN 92-88-6
CMF C12 H10 O2

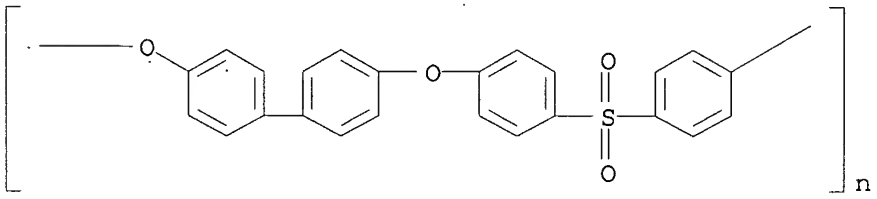


CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



RN 25839-81-0 CAPLUS
CN Poly(oxy[1,1'-biphenyl]-4,4'-diyloxy-1,4-phenylenesulfonyl-1,4-phenylene) (CA INDEX NAME)



L4 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1990:139357 CAPLUS
DOCUMENT NUMBER: 112:139357
ORIGINAL REFERENCE NO.: 112:23563a,23566a
TITLE: Diastereotopic group selective reactions at π-arene chromium derivatives: deprotonation and nucleophilic addition reactions of substrates bearing benzylic chiral centers
AUTHOR(S): Heppert, Joseph A.; Aube, Jeffrey; Thomas-Miller, M. Elizabeth; Milligan, Michael L.; Takusagawa, Fusao
CORPORATE SOURCE: Dep. Chem. Med. Chem., Univ. Kansas, Lawrence, KS, 66045, USA
SOURCE: Organometallics (1990), 9(3), 727-39
CODEN: ORGND7; ISSN: 0276-7333
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 112:139357

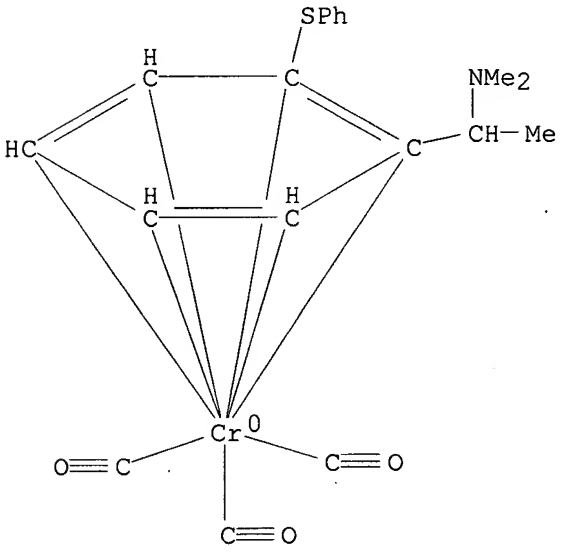
AB (η6-(MeHXC)C6H5)Cr(CO)3 (X = NMe2, alkoxy) substrates undergo deprotonation by alkyllithium bases to produce, after quenching with electrophiles (E+), high diastereomeric excesses (de) of (η6-o-E(MeHXC)C6H4)Cr(CO)3 products. The N,N-dimethylamino substrate shows excellent chemoselectivity for ortho metalation, in addition to having ≥96% de in the formation of the product isomers. The propensity for ether derivs. to undergo benzylic deprotonation interferes with chemoselectivity in these substrates, although the selectivity for ortho substitution can be improved by employing chelating ether substituents and reduced reaction temps. The stereochem. of deprotonation is evidently controlled by the tendency of the heteroarom side chain to adopt a conformation that minimizes steric interactions with the Cr(CO)3 moiety and promotes the delivery of the ligated base to a specific ortho hydrogen. NOEDS studies indicate that the conformation of the benzylic side chain in the solns. containing only (η-(MeHXC)C6H5)Cr(CO)3 probably closely mirrors those involved in the delivery of the alkyllithium

reagent. Reactions between (η-(MeH(RO)C)C6H5)Cr(CO)3 and Me3CLi in Et2O produced significant quantities of (η4,η2-2-tert-butylcyclohexadiene-exo-1-ethene)chromium tricarbonyl after the mixture is quenched with a proton donor. The reaction displayed a peculiar temperature dependence, with an approx. 1:1 ratio of the S*,S*,R* and S*,S*,S* diastereomers being produced if the quench is performed below -40° and a 10:1 ratio of the S*,S*,R* and S*,S*,S* isomers, resp., being produced by quenching the reaction at an ambient temperature An x-ray crystallog. study unambiguously identified the mol. formed in predominance at elevated temps. as the S*,S*,R* exo-ethene Z isomer. The crystal structure of [η6-(R*,R*)-o-(Ph2P)(MeH(Me2N)C)C6H4]Cr(CO)3 was also determined

IT 125453-51-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 125453-51-2 CAPLUS

CN Chromium, tricarbonyl[(1,2,3,4,5,6-η)-N,N,α-trimethyl-2-(phenylthio)benzenemethanamine]-, stereoisomer (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:94533 CAPLUS
DOCUMENT NUMBER: 108:94533
ORIGINAL REFERENCE NO.: 108:15551a,15554a
TITLE: A new rigid sulfur-bridged dithiametacyclophane and its acyclic analogs: direct observation of the transannular bond formation between the three sulfur atoms and isolation of dicationic salts
AUTHOR(S): Fujihara, Hisashi; Chiu, Jer Jye; Furukawa, Naomichi
CORPORATE SOURCE: Dep. Chem., Univ. Tsukuba, Ibaraki, 305, Japan
SOURCE: Journal of the American Chemical Society (1988), 110(4), 1280-4
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 108:94533
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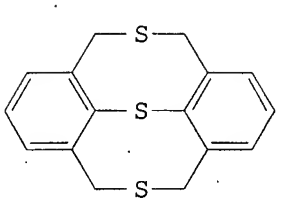
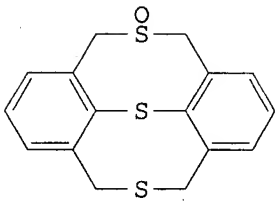
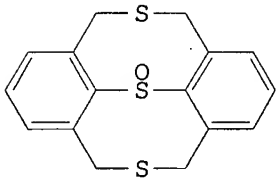


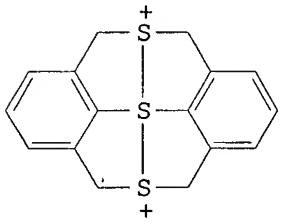
I



III



IV



$2CF_3SO_3^-$

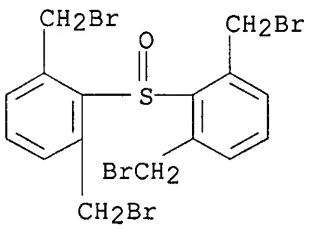
V

AB A new rigid S-bridged dithiametacyclophane, (methanothiomethano)dibenzodithiocin (I), analogous to acyclic trithia compds., e.g., 2,6-(MeS)2C6H3SPh (II), and its isomeric sulfoxides III and IV were prepared by general methods. The transannular bond formation between the 3 S atoms of I was observed by both 1H and 13C NMR spectroscopy on treating I with concentrated H2SO4.
Similar bond formation was also observed for III and IV. A new type of O transfer reaction via the dication of I occurred during H2SO4 hydrolysis of I and IV. The dicationic salt V was obtained by treating the sulfoxide IV with (CF3SO2)2O. Evidence for intramol. S-S interaction between the 3 S atoms of II was found in the reactions of its sulfoxides, e.g., 2,6-(MeS)2C6H3SOPh, with concentrated H2SO4. Electrochem. oxidation of II and mono
and dithio ethers was studied by using cyclic voltammetry. Anodic oxidation of II was 400 mV easier than that of monothia compds. such as Ph2S because of the intramol. interaction between the three S atoms in II.

IT 112399-11-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclocondensation of, with sodium sulfide)

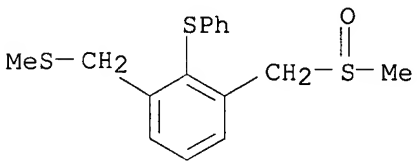
RN 112399-11-8 CAPLUS

CN Benzene, 1,1'-sulfinylbis[2,6-bis(bromomethyl)- (9CI) (CA INDEX NAME)

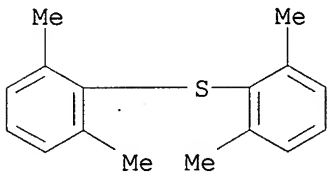


IT 108428-24-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

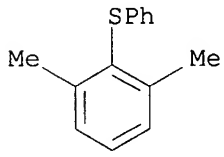
(preparation and deuteration of)
RN 108428-24-6 CAPLUS
CN Benzene, 1-[(methylsulfinyl)methyl]-3-[(methylthio)methyl]-2-(phenylthio)- (CA INDEX NAME)



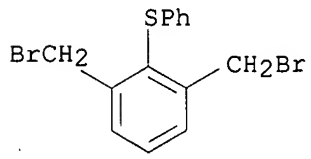
IT 52805-90-0P 54088-93-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and photochem. bromination of)
RN 52805-90-0 CAPLUS
CN Benzene, 1,1'-thiobis[2,6-dimethyl- (9CI) (CA INDEX NAME)



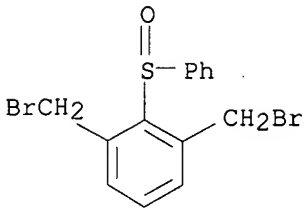
RN 54088-93-6 CAPLUS
CN Benzene, 1,3-dimethyl-2-(phenylthio)- (CA INDEX NAME)



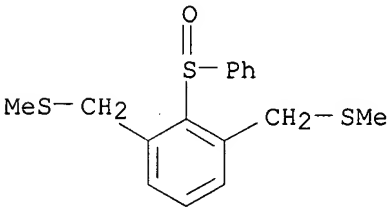
IT 112399-12-9P 112399-13-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and substitution reaction of, with methanethiolate)
RN 112399-12-9 CAPLUS
CN Benzene, 1,3-bis(bromomethyl)-2-(phenylthio)- (CA INDEX NAME)



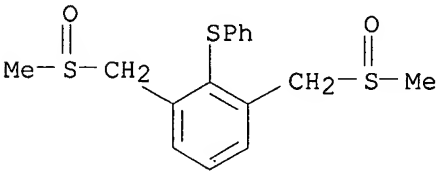
RN 112399-13-0 CAPLUS
CN Benzene, 1,3-bis(bromomethyl)-2-(phenylsulfinyl)- (CA INDEX NAME)



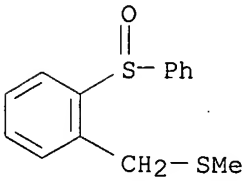
IT 108428-23-5P 108428-25-7P 112335-85-0P
112399-06-1P 112399-07-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 108428-23-5 CAPLUS
CN Benzene, 1,3-bis[(methylthio)methyl]-2-(phenylsulfinyl)- (CA INDEX NAME)



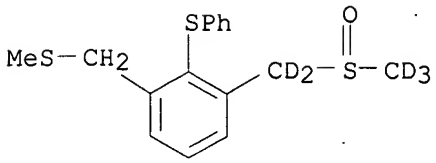
RN 108428-25-7 CAPLUS
CN Benzene, 1,3-bis[(methylsulfinyl)methyl]-2-(phenylthio)- (CA INDEX NAME)



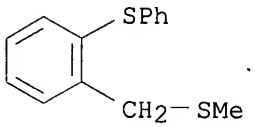
RN 112335-85-0 CAPLUS
CN Benzene, 1-[(methylthio)methyl]-2-(phenylsulfinyl)- (CA INDEX NAME)



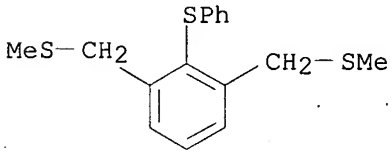
RN 112399-06-1 CAPLUS
CN Benzene, 1-[(methyl-d3-sulfinyl)methyl-d2]-3-[(methylthio)methyl]-2-
(phenylthio)- (9CI) (CA INDEX NAME)



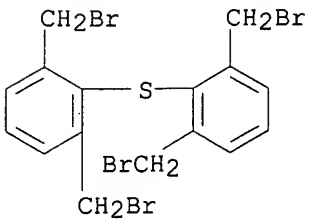
RN 112399-07-2 CAPLUS
CN Benzene, 1-[(methylthio)methyl]-2-(phenylthio)- (CA INDEX NAME)



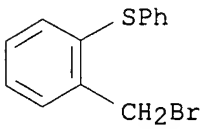
IT 108428-22-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, cyclic voltammetry, and chloroperbenzoate oxidation of)
RN 108428-22-4 CAPLUS
CN Benzene, 1,3-bis[(methylthio)methyl]-2-(phenylthio)- (CA INDEX NAME)



IT 112399-10-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, oxidation, and cyclocondensation of, with sodium sulfide)
RN 112399-10-7 CAPLUS
CN Benzene, 1,1'-thiobis[2,6-bis(bromomethyl)- (9CI) (CA INDEX NAME)



IT 37660-43-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(substitution reaction of, with methanethiolate)
RN 37660-43-8 CAPLUS
CN Benzene, 1-(bromomethyl)-2-(phenylthio)- (CA INDEX NAME)



L4 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:37295 CAPLUS
DOCUMENT NUMBER: 108:37295
ORIGINAL REFERENCE NO.: 108:6219a,6222a
TITLE: Synthesis of benzalchloroimine-1-d by umpolung and catalytic decomposition of benzalchloroimine
AUTHOR(S): Zhang, Jingliu
CORPORATE SOURCE: Dep. Chem., Fujian Norm. Univ., Fuzhou, Peop. Rep. China
SOURCE: Gaodeng Xuexiao Huaxue Xuebao (1987), 8(3), 246-8
CODEN: KTHPDM; ISSN: 0251-0790
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
OTHER SOURCE(S): CASREACT 108:37295
AB A simple preparative method of benzalchloroimine-1-d was reported. The kinetic study on the reaction of RC6H4CH:NCl (R = H, 4-Me, 4-MeO, 4-Cl) with Ph2S in benzene has been carried out. On the basis of the Hammett ρ value and the kinetic isotope effect, the mechanism of the reaction was discussed.
IT 139-66-2, Diphenylsulfide
RL: RCT (Reactant); RACT (Reactant or reagent)
(decomposition by, of benzachloroimine, kinetics of)
RN 139-66-2 CAPLUS
CN Benzene, 1,1'-thiobis- (CA INDEX NAME)

Ph—S—Ph

L4 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:6760 CAPLUS
DOCUMENT NUMBER: 108:6760
ORIGINAL REFERENCE NO.: 108:1273a,1276a
TITLE: Synthesis and characterization of deuterated poly(arylene ether sulfones)
AUTHOR(S): Hedrick, J. L.; Dumais, J. J.; Jelinski, L. W.; Patsiga, R. A.; McGrath, J. E.
CORPORATE SOURCE: Almaden Res. Cent., IBM, San Jose, CA, 95120-6099, USA
SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (1987), 25(8), 2289-300
CODEN: JPACEC; ISSN: 0887-624X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Selectively deuterated poly(arylene ether sulfones) were prepared for neutron scattering studies and for deuterium NMR investigations. The availability of these model macromols. permitted mol.-level identification of the motions responsible for the low-temperature relaxations that were observed
in the dynamic mech. spectra of these engineering polymers. Three labeled sites on the appropriate monomers (bisphenol A and 4,4'-dichlorodiphenyl

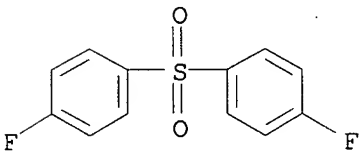
sulfone) were prepared from deuterated intermediates and characterized via chromatog., spectroscopic, and thermal analyses. The deuterium exchange between Me and aromatic sites that occurred during synthesis was quantified. These labeled monomers were mixed with hydrogenous monomers to synthesize the high-mol-weight title polymer. A synthetic technique involving N-methyl-2-pyrrolidone/K2CO3 was employed to afford high-mol.-weight polymers. The polymers were characterized by Fourier-transform IR, proton, carbon, and deuterium NMR, intrinsic viscosities, and thermal anal. Mol. wts. of the labeled polymers were similar to unlabeled systems.

IT 41209-98-7DP, Bisphenol A-4,4'-difluorodiphenylsulfone copolymer, deuterated 92739-59-8P 111938-15-9P
RL: PREP (Preparation)
(preparation and characterization of)

RN 41209-98-7 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-fluorobenzene] (CA INDEX NAME)

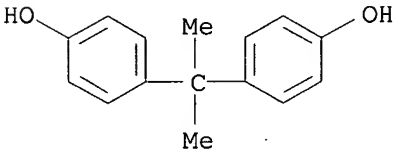
CM 1

CRN 383-29-9
CMF C12 H8 F2 O2 S

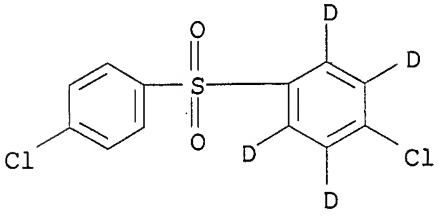


CM 2

CRN 80-05-7
CMF C15 H16 O2



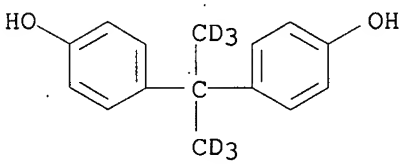
RN 92739-59-8 CAPLUS
CN Benzene-1,2,4,5-d4, 3-chloro-6-[(4-chlorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 111938-15-9 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 4,4'-[1-(methyl-d3)ethylidene-2,2,2-d3]bis[phenol] and 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

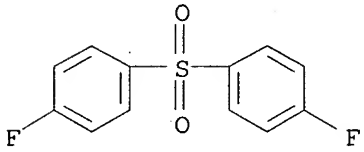
CM 1

CRN 86588-58-1
CMF C15 H10 D6 O2



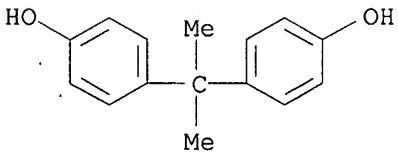
CM 2

CRN 383-29-9
CMF C12 H8 F2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2



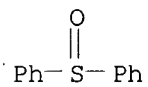
L4 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1985:405793 CAPLUS
DOCUMENT NUMBER: 103:5793
ORIGINAL REFERENCE NO.: 103:1043a,1046a
TITLE: Collision-induced dissociation of negative ions in the gas phase: [aryl sulfide]-, [aryl sulfinyl]- and [aryl sulfonyl]-
AUTHOR(S): Bowie, John H.; Stringer, Michael B.
CORPORATE SOURCE: Dep. Org. Chem., Univ. Adelaide, Adelaide, 5001, Australia
SOURCE: Organic Mass Spectrometry (1985), 20(2), 138-42
CODEN: ORMSBG; ISSN: 0030-493X

DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 103:5793

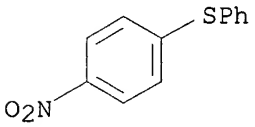
AB In this abstract R = aryl. The collision-induced dissociation of RS- are complex and occur without prior ring H scrambling (e.g., PhS- gives C2HS- and HS- while p-CD3C6H4S- gives C6H4S-•, CD3C4S-, and C2HS-). In contrast, all decompns. of PhCH2S- are preceeded by sp. benzylic and Ph group H interchange reactions. RS(O)- and RSO2- ions rearrange. PhS(O)- gives PhO- and PhS-; PhSO2- gives PhO-. PhCH2SO- is dehydrated following benzylic and Ph group H exchange.

IT 945-51-7 952-97-6 4171-83-9
RL: PRP (Properties)
(collision induced mass spectrum of)

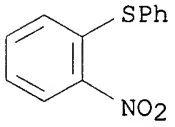
RN 945-51-7 CAPLUS
CN Benzene, 1,1'-sulfinylbis- (CA INDEX NAME)



RN 952-97-6 CAPLUS
CN Benzene, 1-nitro-4-(phenylthio)- (CA INDEX NAME)



RN 4171-83-9 CAPLUS
CN Benzene, 1-nitro-2-(phenylthio)- (CA INDEX NAME)



L4 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1982:405764 CAPLUS
DOCUMENT NUMBER: 97:5764
ORIGINAL REFERENCE NO.: 97:1119a,1122a
TITLE: A ready access to [1,1-D2] primary alcohols
AUTHOR(S): Badet, Bernard; Julia, Marc; Sarrazin, Claire Anne
CORPORATE SOURCE: Lab. Chim., Ec. Norm. Super., Paris, 75231/05, Fr.
SOURCE: Bulletin de la Societe Chimique de France (1982), (1-2, Pt. 2), 33-6
CODEN: BSCFAS; ISSN: 0037-8968
DOCUMENT TYPE: Journal
LANGUAGE: English

AB RCH2S+R12 X- [R = Pr, n-hexyl, n-heptyl, n-nonyl, p-MeOC6H4CH2, CMe2:CH, CMe2:CH(CH2)2CMe:CH, etc.; R1 = Ph, n-dodecyl, Me; X = ClO4, BF4, Cr(SCN)4(NH3)2], prepared from RCH2OH and R21S, were deuterated with

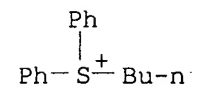
NaOD-D2O and the resultant RCD2S+R21X- were treated with AcOK to give RCD2OAc, which on alkaline hydrolysis gave RCD2OH.

IT 10504-66-2P 77381-66-9P 82054-23-7P
82054-25-9P 82054-27-1P 82054-29-3P
82054-43-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deuteration of)

RN 10504-66-2 CAPLUS
CN Sulfonium, butyldiphenyl-, perchlorate (1:1) (CA INDEX NAME)

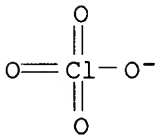
CM 1

CRN 29245-65-6
CMF C16 H19 S



CM 2

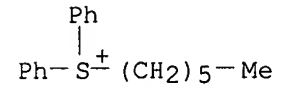
CRN 14797-73-0
CMF Cl O4



RN 77381-66-9 CAPLUS
CN Sulfonium, hexyldiphenyl-, perchlorate (9CI) (CA INDEX NAME)

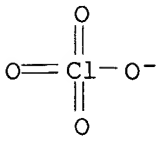
CM 1

CRN 46971-37-3
CMF C18 H23 S



CM 2

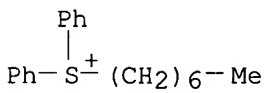
CRN 14797-73-0
CMF Cl O4



RN 82054-23-7 CAPLUS
CN Sulfonium, heptyldiphenyl-, perchlorate (9CI) (CA INDEX NAME)

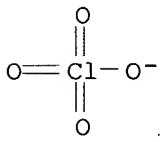
CM 1

CRN 82054-22-6
CMF C19 H25 S



CM 2

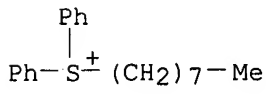
CRN 14797-73-0
CMF Cl O4



RN 82054-25-9 CAPLUS
CN Sulfonium, octyldiphenyl-, perchlorate (9CI) (CA INDEX NAME)

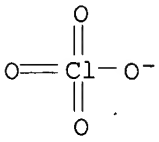
CM 1

CRN 82054-24-8
CMF C20 H27 S



CM 2

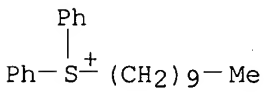
CRN 14797-73-0
CMF Cl O4



RN 82054-27-1 CAPLUS
CN Sulfonium, decyldiphenyl-, perchlorate (9CI) (CA INDEX NAME)

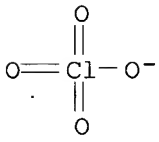
CM 1

CRN 82054-26-0
CMF C22 H31 S



CM 2

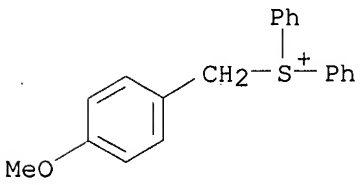
CRN 14797-73-0
CMF Cl O4



RN 82054-29-3 CAPLUS
CN Sulfonium, [(4-methoxyphenyl)methyl]diphenyl-, perchlorate (9CI) (CA INDEX NAME)

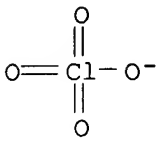
CM 1

CRN 82054-28-2
CMF C20 H19 O S



CM 2

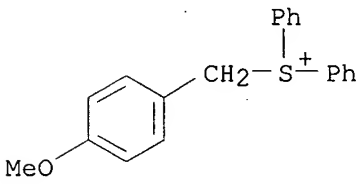
CRN 14797-73-0
CMF Cl O4



RN 82054-43-1 CAPLUS
CN Sulfonium, [(4-methoxyphenyl)methyl]diphenyl-, (OC-6-11)-diamminetetrakis(thiocyanato-N)chromate(1-) (9CI) (CA INDEX NAME)

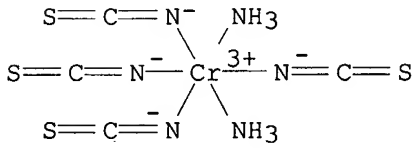
CM 1

CRN 82054-28-2
CMF C20 H19 O S

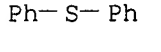


CM 2

CRN 16248-93-4
CMF C4 H6 Cr N6 S4
CCI CCS

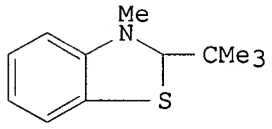


IT 139-66-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with alcs.)
RN 139-66-2 CAPLUS
CN Benzene, 1,1'-thiobis- (CA INDEX NAME)

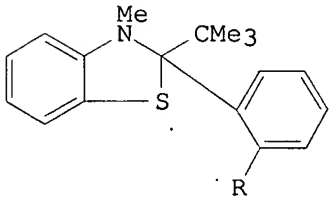


L4 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1982:52216 CAPLUS
DOCUMENT NUMBER: 96:52216
ORIGINAL REFERENCE NO.: 96:8601a,8604a
TITLE: Reaction of benzothiazoline with benzyne. Generation of the novel heterocyclic sulfur ylide, benzothiazolinium S-ylide
AUTHOR(S): Hori, Mikio; Kataoka, Tadashi; Shimizu, Hiroshi; Ueda,

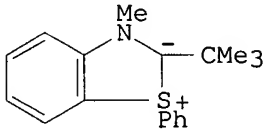
Norihiro
CORPORATE SOURCE: Gifu Coll. Pharm., Gifu, 502, Japan
SOURCE: Tetrahedron Letters (1981), 22(32), 3071-4
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 96:52216
GI



I

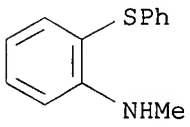


II

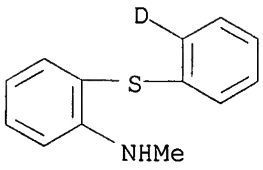


III

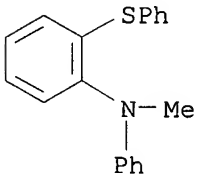
AB Reaction of the benzothiazoline I with benzyne, formed by treatment of o-BrC6H4F with Mg (room temperature, 4 h, THF), gave the benzothiazolines II (R = H, F) (34, 31%, resp.) and 18% o-PhSC6H4NHMe. The mechanism involved the formation of the heterocyclic S ylide III, which underwent a 1,2-intermol. shift to give II (R = H).
IT 54287-73-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with benzyne)
RN 54287-73-9 CAPLUS
CN Benzenamine, N-methyl-2-(phenylthio)- (CA INDEX NAME)



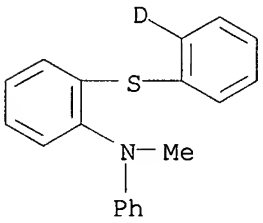
IT 80335-41-7P 80335-44-0P 80335-45-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 80335-41-7 CAPLUS
CN Benzenamine, N-methyl-2-(phenyl-2-d-thio)- (9CI) (CA INDEX NAME)



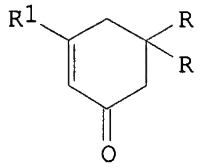
RN 80335-44-0 CAPLUS
CN Benzenamine, N-methyl-N-phenyl-2-(phenylthio)- (CA INDEX NAME)



RN 80335-45-1 CAPLUS
CN Benzenamine, N-methyl-N-phenyl-2-(phenyl-2-d-thio)- (9CI) (CA INDEX NAME)



L4 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1980:94130 CAPLUS
DOCUMENT NUMBER: 92:94130
ORIGINAL REFERENCE NO.: 92:15377a,15380a
TITLE: Arynic condensations of ketone enolates. 15. New synthetic applications of the condensation of α,β-unsaturated ketone enolates on benzyne
AUTHOR(S): Essiz, Munir; Guillaumet, Gerald; Brunet, Jean Jacques; Caubere, Paul
CORPORATE SOURCE: Lab. Chim. Org. I, Univ. Nancy I, Nancy, 54037, Fr.
SOURCE: Journal of Organic Chemistry (1980), 45(2), 240-6
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 92:94130
GI



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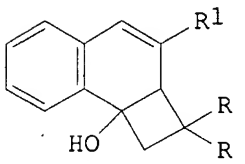
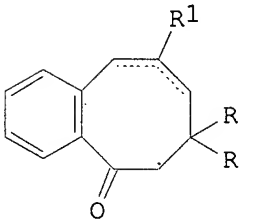
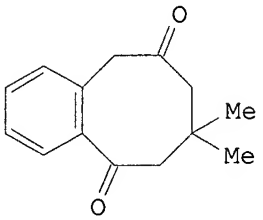


II



III



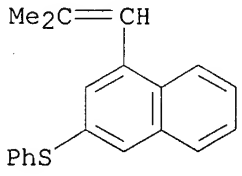
IV

AB Arynic condensations of both cyclic and acyclic α,β-unsatd. ketone enolates were studied. Condensation of substituted cyclohexenone I (e.g., R = H, Me; R1 = Me, CHMe2, Ph, PhO, 4-FC6H4O, EtS, PhS, 4-MeOC6H4S) enolates with benzyne gave a new class of cyclobutanols II. Ring opening of II under basic conditions was a good method of preparing benzocyclooctadienones III (Δ8) and III (Δ9) and, in appropriate cases, benzocyclooctenediones IV. Thermal dehydration of II gave 1,3-disubstituted naphthalenes in good yields. Condensation of a few acyclic α,β-unsatd. ketone enolates with benzyne are of synthetic usefulness; depending on the substituents on both sides of the carbonyl group, these condensations may lead either to substituted naphthalenes or to Ph ketones or tetralones.

IT 72035-89-3P 72035-90-6P 72035-99-5P
72036-00-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

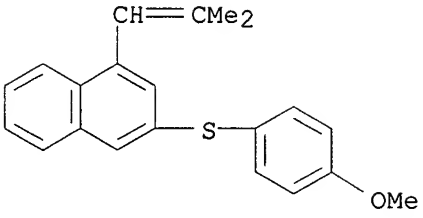
RN 72035-89-3 CAPLUS

CN Naphthalene, 1-(2-methyl-1-propenyl)-3-(phenylthio)- (9CI) (CA INDEX NAME)

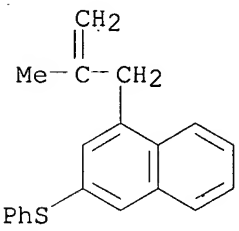


RN 72035-90-6 CAPLUS

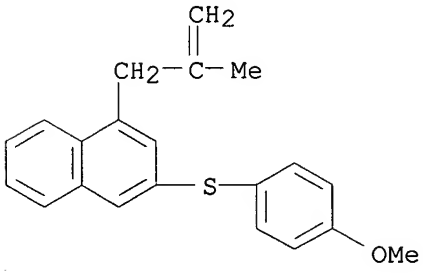
CN Naphthalene, 3-[(4-methoxyphenyl)thio]-1-(2-methyl-1-propenyl)- (9CI) (CA INDEX NAME)



RN 72035-99-5 CAPLUS
CN Naphthalene, 1-(2-methyl-2-propenyl)-3-(phenylthio)- (9CI) (CA INDEX NAME)



RN 72036-00-1 CAPLUS
CN Naphthalene, 3-[(4-methoxyphenyl)thio]-1-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)

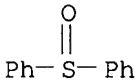


L4 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1978:6064 CAPLUS
DOCUMENT NUMBER: 88:6064
ORIGINAL REFERENCE NO.: 88:1029a,1032a
TITLE: Hydrochloric acid and hydrobromic acid complexes with oxygen bases
AUTHOR(S): Rospenk, M.; Koll, A.; Sobczyk, L.
CORPORATE SOURCE: Inst. Chem., Univ. Wroclaw, Wroclaw, Pol.
SOURCE: Advances in Molecular Relaxation and Interaction Processes (1977), 11(1-2), 129-42
CODEN: AMRPDF; ISSN: 0378-4487
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The formation consts., IR, and dipole moments of HCl complexes with sulfoxides, phosphine oxides, or N-oxides are observed in CCl_4. The low formation consts. are due to an entropy effect related to the free

rotation of HCl mols. in CCl4. A plot of H-bond polarity vs. oxide basicity exhibits an inversion range in which a sharp increase in the dipole moment occurs due to the proton transfer equilibrium Complexes from the inversion range exhibit continuous IR absorption at 600-3000 cm-1 due to the overlap of 2 very broad absorptions which are shaped by the coupling with internal modes. The continuum on deuteration exhibits a narrowing at both the low and high frequency sides due to the decrease in the tunneling probability and the isotope effect (γHCl/γDCl 1.30) on the protonic stretching vibration, resp. A plot of the X→O (X = N, S, P) stretching vibration shifts vs. the basicity of the oxides is similar to the H bond polarity curve. The oxide complexes with HBr in CCl4 are also discussed.

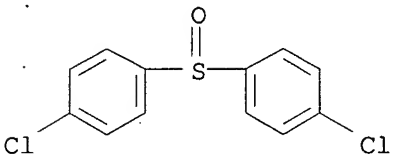
IT 26394-13-8 64990-52-9
RL: PRP (Properties)
(IR and formation consts. of)

RN 26394-13-8 CAPLUS
CN Hydrochloric acid, compd. with 1,1'-sulfinylbis[benzene] (1:1) (9CI) (CA INDEX NAME)



● HCl

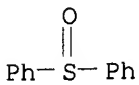
RN 64990-52-9 CAPLUS
CN Hydrochloric acid, compd. with 1,1'-sulfinylbis[4-chlorobenzene] (1:1) (9CI) (CA INDEX NAME)



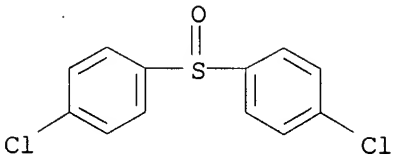
● HCl

IT 945-51-7 3085-42-5
RL: PRP (Properties)
(IR of, basicity in relation to)

RN 945-51-7 CAPLUS
CN Benzene, 1,1'-sulfinylbis- (CA INDEX NAME)



RN 3085-42-5 CAPLUS
CN Benzene, 1,1'-sulfinylbis[4-chloro- (CA INDEX NAME)

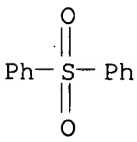


L4 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1968:511681 CAPLUS
DOCUMENT NUMBER: 69:111681
ORIGINAL REFERENCE NO.: 69:20919a,20922a
TITLE: Infrared spectra of benzene- and pentadeuterobenzenesulfonyl compounds
AUTHOR(S): Uno, Toyozo; Machida, Katsunosuke; Hanai, Kazuhiko
CORPORATE SOURCE: Fac. Pharm. Sci., Kyoto Univ., Kyoto, Japan
SOURCE: Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy (1968), 24(11), 1705-12
CODEN: SAMCAS; ISSN: 1386-1425
DOCUMENT TYPE: Journal
LANGUAGE: English

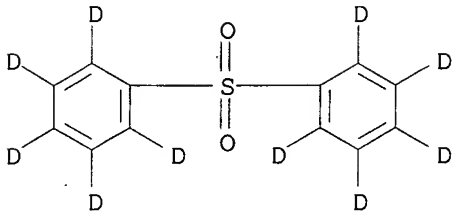
AB The ir spectra 4000-400 cm.-1 of benzenesulfonamide, benzenesulfonanilide, benzenesulfonyl chloride, and diphenyl sulfone are reported together with the spectra of the corresponding pentadeuterobenzenesulfonyl compds. The isotopic shift of the characteristic bands near 1090 cm.-1 of benzenesulfonyl compds. gives evidence of the assignment of this band to a mixed mode of the C-S stretching and a ring skeletal vibration. The benzene and deuterobenzene ring frequencies of these compds. are in close correspondence with those of chlorobenzene and chlorobenzene-d5. The effects of the N-deuteration and the ring deuteration on the SO2 group frequencies are discussed.

IT 127-63-9 21885-27-8
RL: PRP (Properties)
(spectrum (ir) of)

RN 127-63-9 CAPLUS
CN Benzene, 1,1'-sulfonylbis- (CA INDEX NAME)



RN 21885-27-8 CAPLUS
CN (Phenyl sulfone)-d10 (8CI) (CA INDEX NAME)



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---Logging off of STN---

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